

**EMSL Analytical, Inc**

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EMSL Order: 071405824  
CustomerID: city21  
CustomerPO: PO NEEDED  
ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**

Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/01/14 11:15 AM  
Analysis Date: 10/3/2014  
Collected: 9/23/2014

Project: **Holiday Inn**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01 071405824-0001	Staff Room - Ceiling Tile	Gray Fibrous Homogeneous	40% Cellulose 10% Min. Wool	50% Non-fibrous (other)	None Detected
HA: 02					
02 071405824-0002	Guest Services Office - Wall Texture (Paper)	Tan Fibrous Homogeneous	30% Cellulose 20% Synthetic	10% Ca Carbonate 40% Non-fibrous (other)	None Detected
HA: 06					
03 071405824-0003	Guest Services Office - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 01					
04 071405824-0004	Guest Services Office - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
05 071405824-0005	Guest Services Office - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
06 071405824-0006	Guest Services Office - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
07-Floor Tile 071405824-0007	Hallway to Kitchen - 12x12 FT White with Gray and Mastic	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 04					

**Analyst(s)**

**Christopher Rosario (69)**  
**Lauren Kerber (12)**

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/06/2014 09:24:57

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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
07-Mastic 071405824-0007A	Hallway to Kitchen - 12x12 FT White with Gray and Mastic	Yellow Non-Fibrous Homogeneous	2% Cellulose	90% Non-fibrous (other)	8% Chrysotile
HA: 04					
08-Floor Tile 071405824-0008	Hallway to Kitchen - 12x12 FT White with Gray and Mastic	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 04					
08-Mastic 071405824-0008A	Hallway to Kitchen - 12x12 FT White with Gray and Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
HA: 04					
09-Floor Tile 071405824-0009	Laundry - 12x12 FT Gray and Mastic	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
HA: 05					
09-Mastic 071405824-0009A	Laundry - 12x12 FT Gray and Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
HA: 05					
10-Floor Tile 071405824-0010	Laundry - 12x12 FT Gray and Mastic	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (other)	None Detected
HA: 05					

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**Lauren Kerber (12)**

Daixin Li, PhD, Lab Director  
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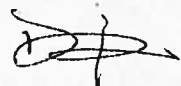
Project: **Holiday Inn**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10-Mastic 071405824-0010A	Laundry - 12x12 FT Gray and Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
HA: 05					
11 071405824-0011	Laundry Hallway - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
12 071405824-0012	Men's Room Off Lobby - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
13 071405824-0013	Exterior Wall - Asbestos Cement Panel	Gray Fibrous Homogeneous		70% Non-fibrous (other)	30% Chrysotile
HA: 07					
14 071405824-0014	Closet Exercise Room - Gray Insulation	Gray Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
15 071405824-0015	Club - Ceiling Tile	Gray Fibrous Homogeneous	40% Cellulose 15% Min. Wool	45% Non-fibrous (other)	None Detected
HA: 02					
16 071405824-0016	Club - Carpet Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (other)	None Detected
HA: 09					

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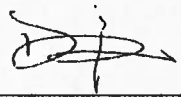
Project: **Holiday Inn**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17 071405824-0017	Club - Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
HA: 03					
18 071405824-0018	Club - Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
HA: 03					
19 071405824-0019	Hallway Outside Club - Wall Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 10					
20 071405824-0020	Hallway Outside Club - Wall Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 10					
21 071405824-0021	Guest Services Office - Wall Texture (Paper)	Tan Fibrous Homogeneous	30% Cellulose 20% Synthetic	10% Ca Carbonate 40% Non-fibrous (other)	None Detected
HA: 06					
22 071405824-0022	Womens Restroom - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					
23 071405824-0023	Mens Restroom - Yellow Wall Texture	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11 Inseparable paint / coating layer included in analysis					

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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
24-Flooring 071405824-0024	Stairwell Near Club - Sheet Flooring	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
			HA: 12		
24-Mastic 071405824-0024A	Stairwell Near Club - Sheet Flooring	Brown Non-Fibrous Homogeneous	<1% Synthetic	98% Non-fibrous (other)	2% Chrysotile
			HA: 12		
25-Floor Tile 071405824-0025	Hallway Near Club - 12x12 Brown FT and Mastic	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
			HA: 13		
25-Mastic 071405824-0025A	Hallway Near Club - 12x12 Brown FT and Mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
			HA: 13		
26-Floor Tile 071405824-0026	Hallway Near Club - 12x12 Brown FT and Mastic	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
			HA: 13		
26-Mastic 071405824-0026A	Hallway Near Club - 12x12 Brown FT and Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
			HA: 13		

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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
27 071405824-0027	Hallway Near Club - Door Insulation	Tan Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
HA: 14					
28 071405824-0028	Rm 1138 - Gray Insulation	Gray Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
29 071405824-0029	Rm 1236 - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					
30 071405824-0030	Rm 1233 - Wall Texture	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
HA: 10					
31 071405824-0031	Rm 1232 - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
32 071405824-0032	Near Ice and Vending - Wall Texture	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
HA: 10					
33 071405824-0033	Near Ice and Vending - Yellow Wall Texture	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					

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### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
34 071405824-0034	2nd Floor - Gray Insulation	Gray Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
35 071405824-0035	Rm 1333 - Wall Texture	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
HA: 10					
36 071405824-0036	Rm 1331 - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					
37 071405824-0037	Rm 1331 - Ceiling Texture	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
HA: 01					
38 071405824-0038	3rd Floor Utility - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
39 071405824-0039	3rd Floor Utility - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
40 071405824-0040	Rm 2397 - Wall Texture	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	None Detected
HA: 10					

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			% Fibrous	% Non-Fibrous	% Type
41 071405824-0041	Rm 2395 - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous	HA: 11	10% Ca Carbonate 90% Non-fibrous (other)	None Detected
42 071405824-0042	4th Floor Utility Closet - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose HA: 08	20% Non-fibrous (other)	None Detected
43 071405824-0043	4th Floor Utility Closet - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose HA: 08	20% Non-fibrous (other)	None Detected
44 071405824-0044	Rm 1435 - Wall Texture	Tan Non-Fibrous Homogeneous	HA: 10	20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
45 071405824-0045	4th Floor - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous	HA: 11	10% Ca Carbonate 90% Non-fibrous (other)	None Detected
46 071405824-0046	Rm 1441 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 01	20% Ca Carbonate 78% Non-fibrous (other)	2% Chrysotile
47 071405824-0047	4th Floor 2470 - Wall Texture	Tan Non-Fibrous Homogeneous	HA: 10	20% Ca Carbonate 80% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
48 071405824-0048	4th Floor 2470 - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					
49 071405824-0049	Rm 2496 - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
50 071405824-0050	Rm 2496 - Gray Insulation	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 08					
51 071405824-0051	Rm 1441 - Wall Texture	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	<1% Chrysotile
HA: 10					
52 071405824-0052	Rm 1441 - Yellow Wall Texture	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
HA: 11					
53 071405824-0053	Original Roof - Flashing	Black Fibrous Homogeneous	10% Cellulose 15% Glass	75% Non-fibrous (other)	None Detected
HA: 15					
54 071405824-0054	Original Roof - Flashing	Black Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (other)	None Detected
HA: 15					

**Analyst(s)**

**Christopher Rosario (69)**  
**Lauren Kerber (12)**

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/06/2014 09:24:57

**EMSL Analytical, Inc**

2205 Corporate Plaza Parkway SE, Suite 200, Smyrna, GA 30080

Phone/Fax: (770) 956-9150 / (770) 956-9181

<http://www.EMSL.com>[atlantallab@emsl.com](mailto:atlantallab@emsl.com)

EMSL Order: 071405824  
CustomerID: city21  
CustomerPO: PO NEEDED  
ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**

Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/01/14 11:15 AM  
Analysis Date: 10/3/2014  
Collected: 9/23/2014

Project: **Holiday Inn**


### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
55-Layer 1 071405824-0055	Original Roof - Roof Sample	Brown Fibrous Homogeneous	80%	Cellulose	20% Non-fibrous (other)	None Detected
HA: 16						
55-Layer 2 071405824-0055A	Original Roof - Roof Sample	Black Fibrous Homogeneous	15%	Glass	85% Non-fibrous (other)	None Detected
HA: 16						
55-Layer 3 071405824-0055B	Original Roof - Roof Sample	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 16						
55-Layer 4 071405824-0055C	Original Roof - Roof Sample	Black Non-Fibrous Homogeneous	8%	Cellulose	92% Non-fibrous (other)	None Detected
HA: 16						
56-Layer 1 071405824-0056	Original Roof - Roof Sample	Brown Fibrous Homogeneous	80%	Cellulose	20% Non-fibrous (other)	None Detected
HA: 16						
56-Layer 2 071405824-0056A	Original Roof - Roof Sample	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 16						
56-Layer 3 071405824-0056B	Original Roof - Roof Sample	Black Fibrous Homogeneous	15%	Glass	85% Non-fibrous (other)	None Detected
HA: 16						

**Analyst(s)**

Christopher Rosario (69)

Lauren Kerber (12)

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/06/2014 09:24:57

**EMSL Analytical, Inc**

2205 Corporate Plaza Parkway SE, Suite 200, Smyrna, GA 30080

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<http://www.EMSL.com>[atlantab@emsl.com](mailto:atlantab@emsl.com)

EMSL Order: 071405824  
CustomerID: city21  
CustomerPO: PO NEEDED  
ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**

Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/01/14 11:15 AM  
Analysis Date: 10/3/2014  
Collected: 9/23/2014


Project: **Holiday Inn**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
57 071405824-0057	Addition Roof - Flashing	Black Fibrous Homogeneous	20% Cellulose 3% Glass	77% Non-fibrous (other)	None Detected
HA: 17					
58 071405824-0058	Addition Roof - Flashing	Black Non-Fibrous Homogeneous	20% Cellulose 3% Glass	77% Non-fibrous (other)	None Detected
HA: 17					
59-Layer 1 071405824-0059	Addition Roof - Roof Sample	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 18					
59-Layer 2 071405824-0059A	Addition Roof - Roof Sample	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
HA: 18					
59-Layer 3 071405824-0059B	Addition Roof - Roof Sample	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
HA: 18					
60-Layer 1 071405824-0060	Addition Roof - Roof Sample	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
HA: 18					
60-Layer 2 071405824-0060A	Addition Roof - Roof Sample	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
HA: 18					

**Analyst(s)**

**Christopher Rosario (69)**  
**Lauren Kerber (12)**

  
**Daoxin Li, PhD, Lab Director**  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/06/2014 09:24:57



**EMSL Analytical, Inc**

2205 Corporate Plaza Parkway SE, Suite 200, Smyrna, GA 30080

Phone/Fax: (770) 956-9150 / (770) 956-9181

<http://www.EMSL.com>[atlantab@emsl.com](mailto:atlantab@emsl.com)

EMSL Order: 071405824  
CustomerID: city21  
CustomerPO: PO NEEDED  
ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**

Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/01/14 11:15 AM  
Analysis Date: 10/3/2014  
Collected: 9/23/2014

Project: **Holiday Inn**

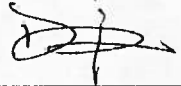
### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
60-Layer 3 071405824-0060B	Addition Roof - Roof Sample	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
HA: 18					
60-Layer 4 071405824-0060C	Addition Roof - Roof Sample	Black Fibrous Homogeneous	5% Cellulose	80% Non-fibrous (other)	15% Chrysotile
HA: 18					
60-Layer 5 071405824-0060D	Addition Roof - Roof Sample	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
HA: 18					
61 071405824-0061	Chimney - Material	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (other)	None Detected
HA: 19					
62 071405824-0062	Chimney - Material	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (other)	None Detected
HA: 19					
63 071405824-0063	Outside Boiler Closet - Boiler Tank Fitting Insulation	Gray Fibrous Homogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
HA: 20					

**Analyst(s)**

Christopher Rosario (69)

Lauren Kerber (12)

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/06/2014 09:24:57

**EMSL Analytical, Inc**

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Phone/Fax: (770) 956-9150 / (770) 956-9181

<http://www.EMSL.com>[atlantab@emsl.com](mailto:atlantab@emsl.com)

EMSL Order: 071405997

CustomerID: city21

CustomerPO: PO REQUIRED

ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**

Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/09/14 9:30 AM  
Analysis Date: 10/9/2014  
Collected: 10/8/2014

Project: **Holiday Inn**


### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
64 071405997-0001	Room 2290 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
65 071405997-0002	Room 2271 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
66 071405997-0003	Room 2267 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
67 071405997-0004	Room 2367 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
68 071405997-0005	Room 2387 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
69 071405997-0006	Room 2388 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
70 071405997-0007	Room 2496 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected

**Analyst(s)**

Anthony Sanale (3)

Christopher Rosario (7)

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/09/2014 10:35:01

**EMSL Analytical, Inc**

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<http://www.EMSL.com>[atlantallab@emsl.com](mailto:atlantallab@emsl.com)

EMSL Order: 071405997  
CustomerID: city21  
CustomerPO: PO REQUIRED  
ProjectID:

Attn: **Kevin Johnson**  
**City of Huntsville DNREM**  
**320 Fountain Circle**  
**PO Box 308**  
**Huntsville, AL 35801**


Phone: (256) 427-5750  
Fax: (256) 427-5751  
Received: 10/09/14 9:30 AM  
Analysis Date: 10/9/2014  
Collected: 10/8/2014

Project: **Holiday Inn**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
71 071405997-0008	Room 2487 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
72 071405997-0009	Room 2486 - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected
73 071405997-0010	4th Floor Hall (ADD'N) - Ceiling Texture	White Non-Fibrous Homogeneous	HA: 21	15% Ca Carbonate 85% Non-fibrous (other)	None Detected

**Analyst(s)****Anthony Sanale (3)****Christopher Rosario (7)**

  
Daoxin Li, PhD, Lab Director  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from 10/09/2014 10:35:01



EMSL Analytical, Inc.  
2205 Corporate Plaza Parkway



EMSL ANALYTICAL, INC.  
LABORATORY SERVICES DIVISION

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only).

Smyrna, GA 30080  
PHONE: (770) 956-9150  
FAX: (770) 956-9181

071405824

Company: City of Huntsville		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: Department of Natural Resources 320 Fountain Circle		Third Party Billing requires written authorization from third party	
City: Huntsville	State/Province: AL	Zip/Postal Code: 35801	Country: United States
Report To (Name): Kevin Johnson		Telephone #: 2564275754	
Email Address: kevin.johnson@huntsvilleal.gov		Fax #: 2564275751	Purchase Order:
Project Name/Number: Holiday Inn		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: AL		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-83/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (finable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-finable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-83/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-83/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Step - Clearly Identify Homogenous Group		Date Sampled: 9/23/2014	
Samplers Name: Kevin A Johnson		Samplers Signature:	
Sample #	HA #	Sample Location	Material Description
01	02	Staff Room	Ceiling Tile
02	06	Guest services Office	Wall texture (paper)
03	01	Guest services Office	Ceiling texture
04	01	Guest services Office	Ceiling texture
05	01	Guest services Office	Ceiling texture
06	01	Guest services Office	Ceiling texture
07	04	Hallway to Kitchen	12x12 FT white w/ gray & mastic
08	04	Hallway to Kitchen	12x12 FT white w/ gray & mastic
09	05	Laundry	12x12 FT Gray & mastic
10	05	Laundry	12x12 FT Gray & mastic
Client Sample # (s): 01		Total # of Samples: 5263	
Relinquished (Client):		Date: 9-29-2014 8:30m	Time: 8:30
Received (Lab):		Date: 10/1/14	Time: 11:15AM
Comments/Special Instructions:			



# Asbestos Bulk Building Material Chain of Custody

EMSL Ord#

071405824

Lab Use Only:

EMSL Analytical, Inc.  
2205 Corporate Plaza Parkway

Smyrna, GA 30080  
PHONE (770) 956-9150  
FAX (770) 956-9181

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
11	01	Laundry hallway	Ceiling texture
12	01	Men's room off lobby	Ceiling texture
13	07	Exterior wall	asbestos cement panel
14	08	Closet exercise room	gray insulation
15	02	Club	ceiling tile
16	09	Club	carpet mastic
17	03	Club	ceiling tile
18	03	Club	ceiling tile
19	10	Hallway outside club	wall texture
20	10	Hallway outside club	wall texture
21	06	Guest services office	wall texture (paper)
22	11	womens restroom	yellow wall texture
23	11	Mens restroom	yellow wall texture
24	12	stairwell near club	sheet flooring
25	13	hallway near club	12x12 brown FT & mastic
26	13	hallway near club	12x12 brown FT & mastic
27	14	hallway near club	door insulation
28	08	Rm 1138	gray insulation
29	11	Rm 1236	yellow wall texture
30	10	Rm 1233	wall texture
31	01	Rm 1232	Ceiling texture
32	10	near ice & vending	wall texture
33	11	near ice & vending	yellow wall texture
34	08	2nd floor	gray insulation
*Comments/Special Instructions:			



# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

071405824

Smyrna, GA 30080  
PHONE (770) 956-9150  
FAX (770) 956-9181

Additional Pages of the Chain of Custody are only ..... , needed for additional sample information

Sample #	HA #	Sample Location	Material Description
35	10	Rm 1333	wall texture
36	11	Rm 1331	yellow wall texture
37	01	Rm 1331	ceiling texture
38	08	3rd floor utility	gray insulation
39	08	3rd floor utility	gray insulation
40	10	Rm 2397	wall texture
41	11	Rm 2395	yellow wall texture
42	08	4th floor utility closet	gray insulation
43	08	4th floor utility closet	gray insulation
44	10	Rm 1435	wall texture
45	11	4th floor	yellow wall texture
46	01	Rm 1441	ceiling texture
47	10	4th floor 2470	wall texture
48	11	4th floor 2470	yellow wall texture
49	08	Rm 2496	gray insulation
50	08	Rm 2496	gray insulation
51	10	Rm 1441	wall texture
52	11	Rm 1441	yellow wall texture
53	15	original roof	flashing
54	15	original roof	flashing
55	16	original roof	roof sample
56	16	original roof	roof sample
57	17	addition roof	flashing
58	17	addition roof	flashing
59	18	addition roof	roof material sample
60	18	addition roof	roof sample

\*Comments/Special Instructions:

61 19 chimney  
62 19 chimney  
63 20 outside boiler closet

Page 3 of 3 pages

material  
material  
boiler tank fitting insula



EMSL Analytical, Inc.  
2205 Corporate Plaza ParkwayEMSL ANALYTICAL, INC.  
LABORATORY SERVICES - VARIOUSAsbestos Bulk Building Material  
Chain of Custody

EMSL Order Number (Lab Use Only)

Smyrna, GA 30080

PHONE (770) 956-9150

FAX (770) 956-9181

071405997

Company: City of Huntsville		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: Department of Natural Resources 320 Fountain Circle		Third Party Billing requires written authorization from third party	
City: Huntsville	State/Province: AL	Zip/Postal Code: 35801	Country: United States
Report To (Name): Kevin Johnson		Telephone #: 2564275754	
Email Address: kevin.johnson@huntsvilleal.gov		Fax #: 2564275751	Purchase Order:
Project Name/Number: Holiday Inn		Phone Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail <input type="checkbox"/>	
U.S. State Samples Taken: AL		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input checked="" type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (inable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique Other <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 10/08/2014	
Samplers Name: Kevin Johnson		Samplers Signature:	
Sample #	HA #	Sample Location	Material Description
64	21	Room 2290	Ceiling texture
65	21	Room 2271	
66	21	Room # 2267	
67	21	Room # 2367	
68	21	Room # 2387	
69	21	Room # 2388	
70	21	Room # 2496	
71	21	Room # 2487	
72	21	Room # 2486	
73	21	4TH Floor Hall (ADD'N)	✓ (KS)
Client Sample # (a): 64 - 73		Total # of Samples: 10	
Relinquished (Client):		Date: 10/8/2014	Time: 1400
Received (Lab):		Date: 10/9/14	Time: 9:30
Comments/Special Instructions:			